ZAMFIRESCU, N., prof. univ.

Cultures on stubble fields. St si Teh Buc 14 no. 7:8-9 J1 '62.

1. "N.Balcescu" Agronomic Institute, Bucharest.

"APPROVED FOR RELEASE: 09/19/2001

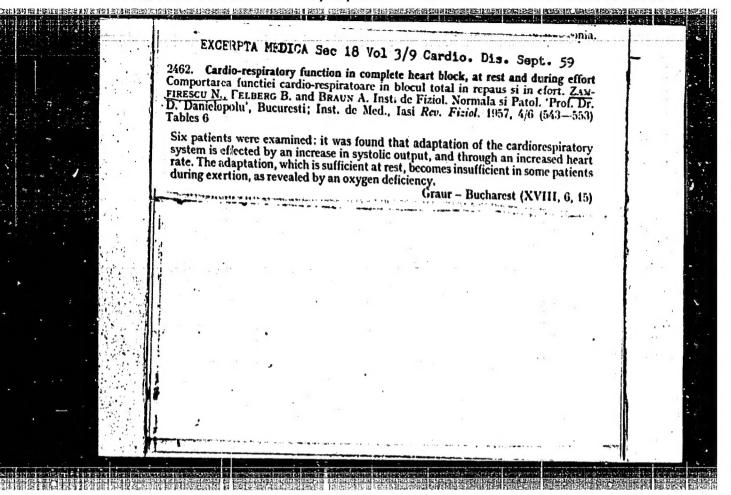
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ZAMFIRESCU, Pharmacology and Toxicology. Gardiovascular RUMANTA CCUNTRY RZhBiol., No. 5 1959, No. 23168 Arsenescu, Gh.; Zamfirescu, H.; Constantiniu, CATEGORY ABS. JOUR. Study of the Action of Strophanthin upon the Phenomenon of Muscular Fatigue NUTHOR Fiziol. norm. si pathol., 1957, 4, No 4, 356-365 INST. TITLE The action of the intravenous introduction of 0.25 mg of strophanthin (S) upon the electromyogram and mechanogram of the flexor muscles of ORIG. FUB. the dactyli in voluntary rhythmical lifting of a load (2 kg) one hour prior to, and thour after ABSTRACT administration of S, was studied. S increased the mechanical work by approximately two times. In experiments on a frog, it was found that S removed *I.; Teodorini, S.; Ionescu, V.; Felberg, B. ನ್ಗ 1/2 Card:

ZAMFIRESCU, N.; URTILA, St.

Influence of the light on the absorption of phosphorus in maize and soybean, determined by means of the isotope P³². Studii cerc biol veget 13 no.4:507-516 ¹61.

1. Comunicare prezentata de N. Salageanu, membru corespondent al Academiei R.P.R., membru al Comitetului de redactie si redactor responsabil, "Studii si cercetari de biologie; Seria biologie vegetala".



RUMANIA/Human and Animal Morphology - (Normal and Pathological) Nervous System. Peripheral Nervous System.

: Ref Zhur Biol., No 6, 1959, 26113 Abs Jour

: Gabrielescu-Velican, Elena; Zamfirescu, N.; Bordeinnu, Author

A.; Felberg, B.

: Rumanian Academy of Sciences Inst

: Histochemical Changes of Polysaccharides of the Superior Title

Cervical Sympathetic Ganglion of Cat in Irritation of

preganglionic Fibers.

: Commun. Acad. RPR, 1957, 7, No 9, 819-825 Orig Pub

The preganglionic trunk of superior sympathetic ganglion Abstract

of cat was irritated with electric currents of various frequency and intensity; duration of effect from 10 min to 2 hours. The physiological state of the ganglion was

juiged by third eyelid contraction or current of effect.

Card 1/2

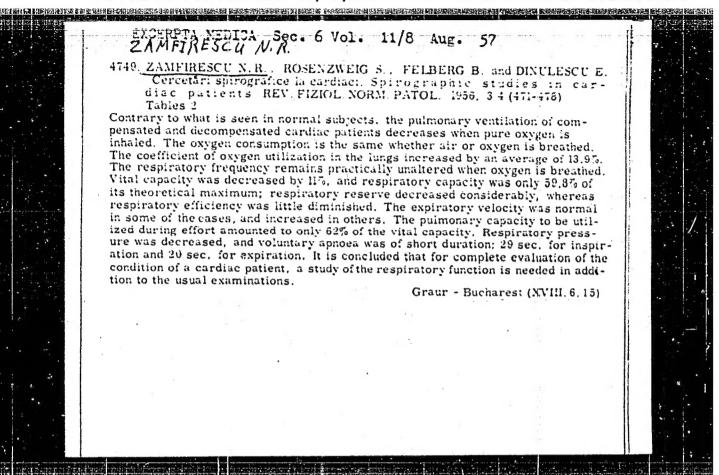
ZAMFIRESCU, N. R.; FELBERG, B.

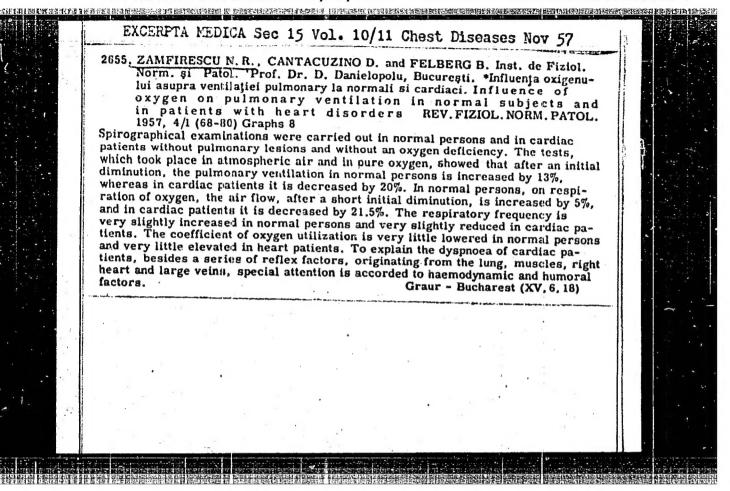
Studies on the value of certain tests in determining the aptitude for physical effort. Studii cerc fiziol 6 no.2:325-334 '61.

1. Institutul de fiziologie normala si patologica "Prof. Dr. D. Denielopolu" al Academiei R.P.R.

(PHYSICAL FITNESS) (PULSE)

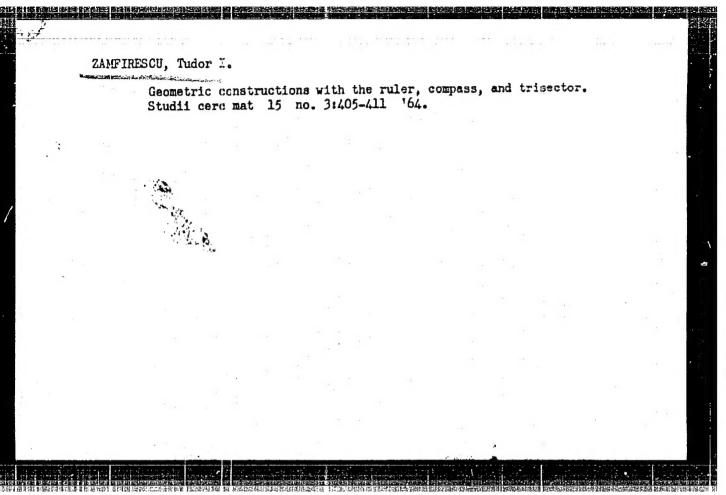
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NECUIA, N., ing.; ZAMFIRESCU, R., ing.; CEANGA, E., ing.

Electronic telephone exchanges. Telecommicatii 6 no.5:210-219
S-0 '62.



VILCEANU, Sabin, student (Bucuresti); DRUCA, M.Ch., absolvent (Breaza);

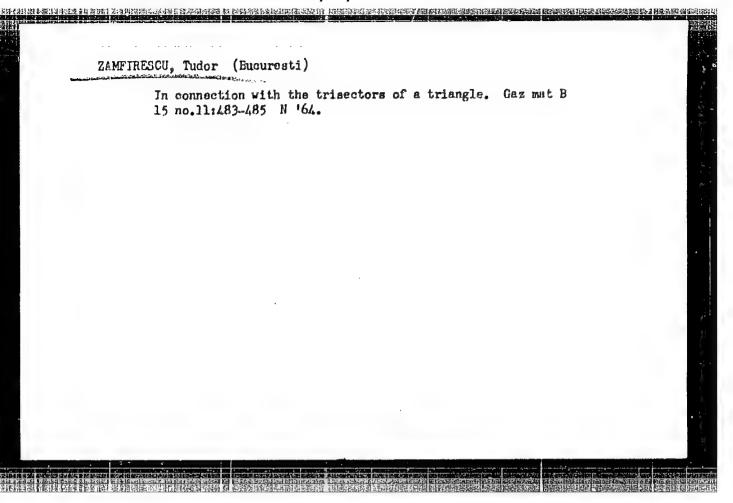
ZAMFIRESCU, Indor I., student (Bucuresti); CAPITAN, Ch.I., prof.
(Anina); INSZTIC, Ch., elev (Timisoara); BAZACOV, Ch. (Tr.Severin)
CEORCESCU, Corneliu, prof. (Craiova); B. VITALYOS, Erzsebet (Cluj).

Solved problems. Gaz mat B 14 no.11:669-678 Nº63

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963720008-5 (2017)

PETRESCU, Anastasie (Craiovo); DINUIESCU, C., prof. (Buzau); ZAMFIRESCU, Tudor; VASILIU, Florian (Bacau); LEONTE, A. (Bucuresti); GPREA, Miron (Ploiesti); POPESCU, Gh.; MANESCU, I., prof. (Rimnicu Vilcea); BAGHINA, V., prof (Breaza); MASGRAS, V. (Bucuresti)

Solved problems. Gaz mat B 14 no.6:343-356 Je 163.



ZAMFIRESCU, Tudor

On the composition of monotone and convex functions. Studii ceramat 16 no.10:1221-1230 164.

ZAMFIRESCU, Tudor (Bucuresti); LEVIN, Alexandru (Tallin, U.S.S.R.); ACU, Dumitru (Nasaud); SANDULACHE, C. (Hegresti); PRAVAT, V.V. (Iasi); SACTER, O.; POPA, Eugen (Iasi); ZAMFIRESCU, Tudor; VOICULESCU, Dan (Bucuresti); IONESCU-TIU, C.; BOICESCU, Vlad (Graiova); NANUTI, Ion (Timisoara); MUSTA, Stefan (Oradea); BERDAN, C. (Bacau); PETRESCU, P. Anastasie (Graiova); LUSZTIG, Gh. (Bucuresti); BRINZANESCU, V. (Bucuresti)

Solved problems. Gaz mat B 16 no.2:64-82 F '65.

H.

ZAMFIRES KU

RUMANIA/Chemical Technology - Cellulose and Its Derivatives.

Paper.

Abs Jour

: Ref Zhur - Khimiya, No 16, 1958, 56138

Author

Zamfiresku

Inst Title

: Standardization of Printing Paper.

Orig Pub

: Tehn. grafica, 1956, No 4, 38-40.

Abstract

The changes made in the new standards for printing paper (P) are examined. They were adapted in Rumanian People's Republic since January 1, 1957, for the purpose of improving the quality and technical-economical indides. To improve the quality control of B, a distribution through large bases (equipped with laboratories and qualified personnel for a better quality control and

correct B storage) is recommended.

Card 1/1

ZAMPIRESKU, M.; VISHER, B.; SERZHIYESKU, D.; GORODNICHANU, F.;

ZAMPIRESKU, M.

Experimental investigations on strains of the poliomyelitis virus isolated in the Rumanian People's Republic during 1949-50. Zhur. nevr. i paith. 55 no.2:101 F '55.

(PRILOWIELITES VIRUS,

strains isolated in Rumania)

ZAMFIRESKU, Nr.; FELBERG, B.

Change of cardiac dynamics under the influence of the voluntary hypertension test. Rev. sci. med. 7 no.1/2:122-126 '62. (HEART FUNCTION TEST)

ZAMFIRESCU, T. (Bucuresti); ATANASIU, Ionel (Focsani); VIOREL,
Voda Ch. (Bucuresti); SIMIONESCU, Ch. D.; VASILESCU, C.
(Ploiesti); BANICA, Octavian (Cimpulung-Muscel); BUICLIU,
G.; DORIN, Alexandru (Bucuresti); IOAN, Filip, prof.
(Sacadat)

Solved problems. Gas mat B 15 no. 5:209-218 May '64.

MANESCU, L., prof. emerit (R. Vilcea); BEJAN, Mircea (Galati); MUNTEANU, Dumitru (Bistrita); SACTER, O.; SIMION, A. (Iasi); LEVIN, Alexandru, (Tallin, U.S.S.R.); HADIRCA, L., prof. (Breaza); LIVIU, Petre (Pucioasa); GRECU, Eftimie (Bucuresti); BENA, Dorin (Caransebes); SIMOVICI, Dan (Iasi); ILIE, Nicolae (Gaiesti); BOICESCU, Vlad (Craiova); VOICULESCU, Dan (Bucuresti); POPESCU, Adrian (Sibiu); PESTROIU, Daniel (Tirgu Jiu); NANUTI, Ion (Timisoara); MUSTA, St. (Oradea); POPESCU, Adriana (Sibiu); IONESCU-TIU, C.; LAZAR, Maria (P. Neamt); FOCSENEANU, M.I.; AGU, D. (Cluj); ZAMFIRESCU, Tudor; MOCANU, H. Ovidiu (Iasi); GEORGESCU, G. (Craiova); BERDAN, C. (Bacau); IACOMI, Ioana (P. Neamt)

於原則的語數是最<mark>的數學是認識的學習的數學的數學的數學的關係是他們的概要是可能的</mark>可能的可能的一個主意的對於可能的特別,可能是與可能的可能可能可能可能可能可能可能可能可能可能

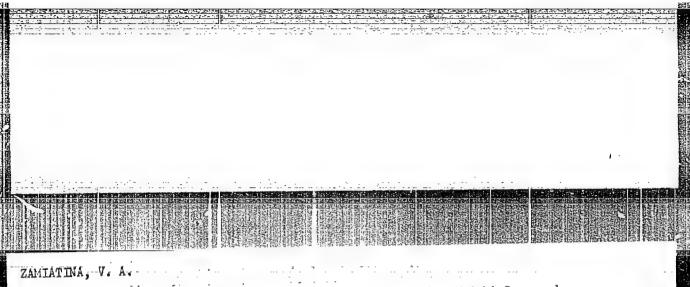
Proposed problems. Gaz mat B 15 no.3:122-127 Mr 164.

ZAMFIRESCU, Tudor, student (Bucuresti)

Isogonal and rotational angles in a triangle. Gaz mat B 14 no.42 207-214 Ap '63.

ZAMFIREZCU,M., ing.

Determining the printing capacity of paper and cardboard by rapid tests. Cel hirtie 11 no.8:295-301 Ag*62.



V. V. Korshak and <u>V. A. Zamiatina</u>, Studies of High Holecular Weight Compounds. Article XVI. The Polydispersion of Polyamides. P. 412.

SO: <u>Bulletin of the U.S.S.R. Academy of Sciences</u> (Chemistry Series) Izvestia Akad. Nauk, S.S.S.R., No. 4, 1948.

ZAMIATINA, V. A.

"On Polyvinyl Derivatives. II. On Polyvinyl butyl Ether." Korshak, V. V. and Zamiatina, V.A. (p. 947)

SO: Journal of General Chemistry (Zhurnal Obshchei Khimii) 1945, Volume 15, no. 11-12.

"Sur la question de la structure du gossipol." Zamichlaiewa, A. M., et Kriwitch, S. S. (p. 1969)

SO: Journal of General Chemistry (Zhurnal Obshchei Khimii). 1937, Volume 7, No. 14.

ZAMIECHOWSKA-MIAZGA, J.

Investigations on polysaccharides of Trichophyton rosaceum. Bul Ac Pol biel 10 no.1:3-7 62.

l. Department of Medical Microbiology, School of Medicine, Warsaw. Presented by \mathbb{E}_{\bullet} Mikulaszek.

ZAMIECKI, H.

A car for testing the condition of tracks of the Swiss railroads. p.121 (PRZEGIAD KILEJOWY DROGOWY. Vol. 9, No. 6, June 1957. Warszawa, Poland)

SO: Monthly List of East European Accesions (EEAL) LC. Vol. 6, No. 10, October 1957. Uncl.

ZANTECKI, H.

Remarks on Regulations Dl. Pt. 4.

P. 1. (PRZEGLAD KOLEJOWY DROGOWY) (Warszawa, Poland) Vol. 10, no. 1, Jan. 1958

SO: Monthly Index of East European Accession (EEAI) LC Vol. 7, No. 5, 1958

ZAMIECKI, H.

Medium repairs by filling in and cleaning the ballast between ties. Przeglad Drog. Dodatek.

P. 15. (PRZEGLAD KOLEJOWY DROGOWY) (Warszawa, Poland) Vol. 10, no. 2, Feb. 1958

SO: Monthly Index of East European Accession (EEAI) LC Vol. 7, No. 5, 1958

ZAMIECKI, H.

Superrelevation of tracks for trains moving at widely different speeds.

P. 25. (PRZEGIAD KOLEJOWY DROGOWY) (Warszawa, Poland) Vol. 10, no. 2, Feb. 1958

SO: Monthly Index of East European Accession (EEAI) LC Vol. 7, no. 5, 1958

ZAMIECKI, H.

ZAMIECKI, H. Technological process in temping wooden ties on broken stone by regulation of the pits. Przeglad. p. 33

的现在中国主义的证明,这个人们的证明,这个人的证明,这个人的证明,我们可以证明,这个人的证明,这个人的证明,这个人的证明,这个人的证明,这个人的证明,这个人的

Vol. 8, no. 3, Mar. 1956 PRZEGLAD KOLEJOWY DROGOWY TECHNOLOGY Warszawa, Poland

So: East European Accession, V ol. 6, no. 2, 1957

ZAMIECKI, H.

Remarks on Regulations Dl. Pt. 6. p. 97.

PRZEPLAD KOLEJOWY DROGOWY. (Wydawnictwa Komunikacyjne) Warszawa, Poland. Vol. 10, no. 5, May 1958.

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ZAMIECKI, H.

Continuous reconditioning of the railroad track. p. 131.

PRZE MAD KOLEJOWY DROWNY. (Wydawnictwa Komunikacyjne) Warszawa, Poland. Vol. 10, no. 6, June 1958.

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计用户分类信息等注义理学 计正式电路设计设置 计过程设计划 医阿尼尔克氏动脉 计多时间 法和法法规的法院的证据的国际政治的研究时间的现在时间是被拒绝的 网络和德国的现在分词 医多利德氏征

ZAMIECKI, H.

Technology and organization of measured continuous grounding on French railroads. Pt. 1. (To be contd.) Przeglad Drog. Dodatek. p. 101.

PRZEGLAD KOLEJONY DROGOMY. (Wydawnictwa Komunikacyjne) Warszawa, Poland. Vol. 11, no. 6, June 1959.

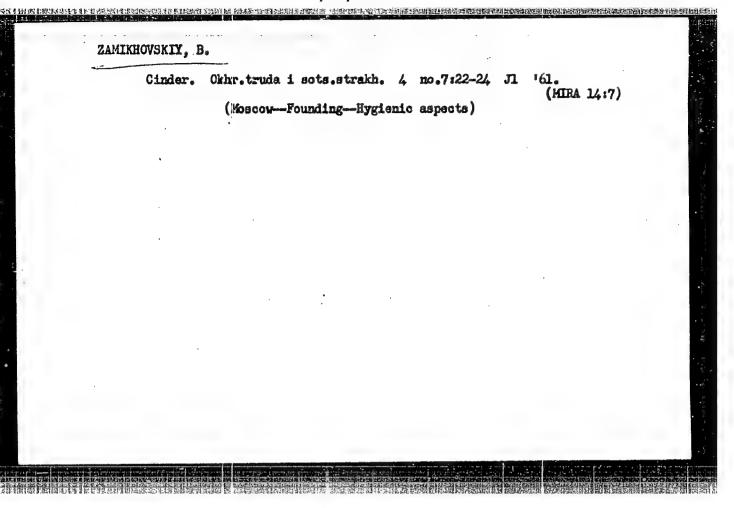
Monthly List of East European Accessions (EEAI), LC, Vol. 8, no. 8, Aug. 1959. Uncl.

ZAMIECKI, H.

Technological process of tamping ties with pneumatic tamping bars on broken stone. (To be contd.) Przeglad. p. 90 ZAMIECKI, H.

Vol. 8, no. 6, June 1956 PRZEGLAD KOLEJOWY DROGOWY TECHNOLOGY Warszawa, Poland

So: East European Accession Vol. 6, no. 2, 1957



Differential diagnosis of Addison-Biermer disease from tumors of the stomach. Zdrav.Bel. 8 no.7:71-72 Jl '62. (MIRA 15:11)

1. Pinskaya gorodskaya bol'nitsa (glavnyy vrach A.V.Oliferko).
(STOMACH-TUMORS) (PERNICIOUS ANEMIA)

ZAMIKHOVSKIY, D.Ye.

Clinical aspects and treatment of chronic septic endocarditis.

Zdrav. Bel. 7 no. 4:46-48 Ap '61. (MIRA 14:4)

l. Pinskaya gorodskaya bol'nitsa (glavnyy vrach A.V. Oliferko). (ENDOGARDITIS)

Use of thiphen-promedol in myocardial infarct. Zdrav. Belor. 6
no.6:66-67 Je '60.

1. Iz Pinskoy gorodskoy bol'nitsy (glavnyy vrach I.V. Oliferko).
(HEART TIMARCTION) (ACETIC ACID)
(PIPERIDINE)

VERTEPOVA, V.M., dots.; VOL'PYAN, Ye.L., ass.; ZAMIKHOVSKIY, I.Z., ass.; RAMENSKIY, S.B., prepod.; SOROKINA, M.I., prepod.; EPSHTEYN, I.M., prof., red.; SHCHUKIN, P.I., red.;

[Methodological instructions for practical work in urology] Metodicheskie ukazaniia k prakticheskim zaniatiiam po urologii. Pod red. I.M.Epshteina. Moskva, 1963. 37 p. (MIRA 16:12)

1. Moscow. Pervyy meditsinskiy institut. (UROLOGY—HANDBOOKS, MANUALS, ETC.)

ZAMIKHOVSKIY, I.Z.; SEROV, V.V.

Renal biopsy as a diagnostic method. Eksper. khir. i anest. 9 no.3:49-54 My-Je '64. (MIRA 18:3)

1. Kafedra urologii (zav. - prof. I.M. Epshteyn) i kafedra patologicheskoy anatomii (zav. - chlen-korrespondent AMI SSSR prof. A.I. Strukov) I Moskovskogo ordena Lenina meditsinskogo instituta imeni Sechenova.

27839 S/032/61/027/010/016/022 B104/B102

24-1800

Konradi, G. G., and Zamilatskiy, Ye. P.

TITLE:

AUTHORS:

Determination of the elastic moduli in a wide range of

temperatures

PERIODICAL: Zavodskaya laboratoriya, v. 27, no. 10, 1961, 1296-1299

TEXT: The authors developed a method that makes it possible to determine the elastic moduli in a temperature range of from - 190 to + 1000°C. A cylindrical test body is suspended by two thin metal wires one of which is the lead-in for acoustic vibrations. The latter pass through the test body to the second wire, and through a piezoelement, are visualized on the screen of an oscilloscope. The resonance frequency of this system depends on the elastic moduli of the test body. The temperature dependence of these elastic moduli can be ascertained by measuring the resonance frequencies at various temperatures. A 176 mm long test cylinder of 7 mm diameter was used in determining the Young's modulus E. The modulus of rigidity, G, was determined with dumbbell-shaped test bodies whose cylindrical middle part had a diameter of 8 mm. The described method had

Card 1/3

Determination of the elastic moduli ... 27839 S/032/61/027/010/016/022 B104/B102

been developed on the basis of previous works by A. S. Matveyev, Ye. Kh. Ripp, and L. S. Freyman (Zavodskaya laboratoriya, XVII, 5 (1952)) and by I. N. Yermolov and Ye. Kh. Ripp (Zavodskaya laboratoriya, XXI, 6 (1955)). Steel of the types 40% (40Kh), 60C2A (60S2A), 1X18H9T (1Kh18N9T), and Y8 (U8) and an AMT6 (AMg6) aluminum alloy were tested on the arrangement shown in Fig. 2. The results show that in the temperature range examined, the elastic moduli E, G, and p of 1Kh18N9T steel are linear functions of temperature. The temperature dependence of the elastic moduli of U8 steel indicates a phase conversion. E and G were determined with an error of 0.2 - 0.4%, the Poisson's ratio M with an error of ±3%. B. M. Ovsyannikov is mentioned. There are 3 figures and 11 Soviet references.

Fig. 2. Experimental arrangement. Legend: (1) vibrator, (2) receiver, (3) metal wire, (4) test body, (5) thermocouples, (6) ceramic, (7) container for electric furnace, (8) muffle, (9) furnace lid, (10) lead-ins for argon.

Card 2/3

ZAMILIN, V.S.

[Repair of electric measuring instruments] Remont elektroizmeritel'nykh priborov. Moskva, Rozgizmestprom, 1954. 68 p. (MLRA 7:12D)

性的形式,最初的企业主义,但是一个企业,但是一个企业的主义,是一个企业,但是一个企业,但是一个企业,但是一个企业,但是一个企业,但是一个企业,但是一个企业,但是 第一个企业,是一个企业,是一个企业,是一个企业的企业,是一个企业,是一个企业,是一个企业,是一个企业,是一个企业,是一个企业,是一个企业,是一个企业,是一个企业,

ZAMINYAN, A.A., Cand Tech Sci -- (diss, "Embarassed recrease and vertical movement of suspended matter (For monodispersed spherical particles)." Len, 1958, 7 pp (Min of Higher Education Len Orle) of Fed Banner Tech material demonstration USSR. Kazen' Aviation Inst) 120 copies (KL, 27-58, 109)

- 101 -

GASPARYAN, A.M.; ZAMINYAN, A.A.

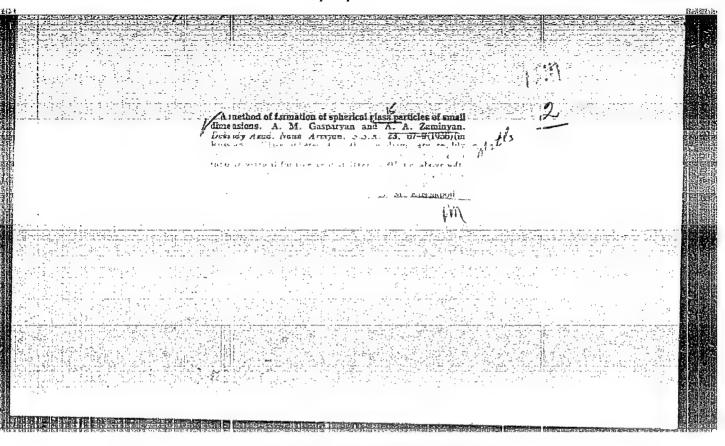
Some problems in studying the constrained fall of particles and the method used in the experiment. Dokl. AN Arm. SSR 25 no.4:213-218 '57. (MIRA 11:2)

1. Khinicheskiy institut AN ArmSSR. Predstavleno N.Kh. Arutyunyanom. (Chemistry, Physical and theoretical) (Sedimentation and deposition)

GASPARYAN, A.M.; ZAMUHYAN, A.A.

Restricted fall of spherical particles. Trudy Inst.khim.AH SSR
17:106-113 '59. (MIRA 13:4)

1. Institut khimii AH ArmSSR.
(Sedimentation analysis)



GASPARYAH, A.M.; ZAHI UYAN, A.A.

Restrained fall of speroidal particles. Dokl.AN Arm.SSR 22 no.1: 17-21 156. (MIRA 9:7)

1. Khimicheskiy institut Akademii nauk Armyanskoy SSR. Predstavleno H. Kh. Arutyunyanom. (Particles) (Chemistry, Analytic)

GASPARYAN, A.M.; ZAMINYAN, A.A.; IKARYAN, N.S.

Testing of equations describing the vertical motion of a polydisperse suspension. Izv. AN Arm. SSR. Ser. tekh. nauk 16 no.1:29-40 '63. (Chemical equations)

GASPARYAN, A.M.: ZAHINYAN, A.A.

Vertical motion of a monodisperse suspension. Dokl, AN Arm. SSR 28 no.3:127-131 '59. (MIRA 12:7)

里时可作于43年度,在全球发现的运动中心人员有有"多国家运动的"(EEEE ELECTROSE ELECTROSE)。安保全地区市场特别大阪区域的**网络电影电影 经**的管理证据 **是**地名地名西班伦地名地名地名

1. Predstavleno akademikom AN ArmSSR W. Th. Arutyunyanom. (Colloids) (Dynamics of a particle)

8/173/59/012/04/02/003

AUTHORS:

Gasparyan, A.M., Zaminyan, A.A.

TITLE:

Constricted Drop of Particles

FERIODICAL: Izvestiya Akademii nauk Armyanskoy SSR, Seriya tekhnicheskikh nauk,

1959, Vol. 12, No. 4, pp. 23 - 26

TEXT: Processes involving a movement of suspensions in a liquid or gas medium are widely applied in industrial and technical fields, e.g., ore concentration. The suspended layer method is studied and tested in order to obtain more precise approximation equations on constricted drop of particles. Several approximation equations [Refs. 1 - 11] are discussed. Graphic presentation of equations (1) through (7) are shown in Figures 1 and 2. A description of three methods of measuring the velocity of the constricted drop of spheric particles (0) is presented. Following symbols are used: volumetric speed of the medium (Q), volumetric speed of solid phase (q), complete section of column (T), mass of particles (u), density of solid phase (p), height of suspended layer (1), diameter of column (D), diameter of particles (d). The principal features of the suspended layer method No. 1 are shown in Figure 3b. The volumetric concentra $g = \frac{c}{p \cdot F \cdot 1}$. Absolute vertical position tion of particles is expressed by

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8/173/59/012/04/02/003

Constricted Drop of Particles

of the column is essential; a slight slant of only 1° can cause a deviation of 10 - 126 as shown by curves C = f(f) in Figure 4. The effect of the profile deformation of the flow on entering the suspension was determined by suspending glass globules of the 100 + 140 mesh fraction and quartz sand of 0,0133 cm. The results shown in Figure 5 prove that this influence is negligible. Experimental values of (D : d), i.e., when the walls of the column bear no influence on the velocity of the constricted drop, are indicated in Figure 6; the unbroken line shows average values and the dotted line indicates the probable direction of extrapolation. Figure 7 shows experimental curves obtained by monodispersed aluminum silicate globules of d = 0.29 cm which were suspended under equal conditions in five columns of varying diameters. The influence of concentration ${\mathcal F}$ on a decrease of C is shown in Table 1, i.e., the index of C corresponds to the curves in Figure 7. Method No. 2, i.e., direct measuring of C is shown in Figure 3a. The velocity of the constricted drop of particles is determined by This method was used by P.F. Yeremin [Ref. 18] but considerable errors are possible as a compound drop may occur in the column instead of a constricted drop. Method No. 3, i.e., the measuring of C in suspension flow was already described in Reference 19 and later experiments were carried out by

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Constricted Drop of Particles

\$/173/59/012/04/02/003

N.S. Ikaryan in the laboratory of the Academy of Sciences of the Armyanskaya SSR. From a large quantity of quartz sand 1.5 kg of an almost monodispersed fraction was obtained by a repeated hydraulic separation. Interrelation of C = f of this fraction was determined by experimental suspension of the layer and measuring of C in the suspension flow. The layer suspension method provides reliable results in regard to laws governing the constricted drop of globular particles, of homogeneity, sphericity, monodispersion of particles, vertical position and proper diameter of column, and isothermic test conditions have been observed. This method can also be used for measuring the velocity of the constricted drop of shapeless particles, the principles of which differ from that of globular particles [Ref. 13]. Compared to other C measuring methods, the method of layer suspension offers the following advantages: simplicity, easy provision of isothermic conditions, if necessary also insulation from damp air, and low amount of solid phase required. The methods of measuring C in suspension flow is more complicated and requires a large quantity of solid phases. However, there are also advantages, i.e., the velocity of C can be measured in conditions similar to those of an continuous production process and can be employed for measuring L C of low ${\mathscr G}$. The method of measuring C in the suspension flow is a satisfactory supplement to the method of layer suspension. There are 8 figures, 1 table and

Card 3/4

Constricted Drop of Particles

8/173/59/012/04/02/003

19 references: 13 are Soviet, 1 Czechoslovakian, 4 English and 1 German.

ASSOCIATION: Institut organicheskoy khimii AN Armyanskoy SSR (Institute of

Organic Chemistry of the AS of the Armenian SSR)

SUBMITTED:

March 12, 1959

Card 4/4

CASPARYAN, A.M.; ZAMINYAN, A.A. Vertical motion of a polydisperse suspension. Bokl.AN Arm.SSR 31 no3:153-159 '60. (HIRA 13:12) 1. Institut organicheskoy khimii Akademii nauk Armyanskoy SSR. Predstavleno akademikom AN Armyanskoy SSR I.V.Yegiazaryanom. (Suspensione (Chemistry))

S/081/61/000/005/004/024 **B102/B202**

AUTHORS:

Gasparyan, A. M., Zaminyan, A. A.

TITLE:

Decelerated fall of spherical particles

PERIODICAL:

Referativnyy zhurnal. Khimiya, no. 5, 1961, 321, abstract 5N42 (5142) ("Kimja inst. eserleri. AzerbSSR Yelmler Akad.,

Tr. In-ta khimii. AN AzerbSSR, 1959, 17, 106-113)

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TEXT: The authors studied the process of the decelerated fall of spherical particles in the interval of the Reynolds numbers Re = 0.012-700. The velocities of the decelerated fall of glass balls of a diameter of 50-300 µ and of lead balls were measured in water and glycerin solution at temperatures of from 10-95°C by the method of the suspended layer. The experimental data are given in the form of diagrams (relative velocity of the decelerated fall as a function of Re). The authors obtained equations for determining the relative velocity of the decelerated fall which are analogous to the equations by P. V. Lyashchenko (Gravitatsionnyye metody obogashcheniya (Gravitational methods of enrichment), 1940). See also RZhKhim, 1960, no. 24, 96723. [Abstracter's note: Complete translation.]

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ZAMINYAN, A.A.

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AUTHORS:

Gasparyan, A.M.; Zaminyan, A.A.

TITLE:

Constricted Drop of Monodispersed Spherical Particles (Commu-

nication 2)

PERIODICAL:

Izvestiya Akademii nauk Armyanskoy SSR, 1959, Vol 12, No 5,

pp 31 - 46

TEXT: The authors referring to Part I of this article published in No 4, 1959, pp 23 - 34 of this periodical dealing with the same problem and based on equation C = KComⁿ, investigate in this article the constricted drop of similar spherical particles. To obtain more precise data on values K and n, and on their relation to the Reynolds number further tests have been carried out using following types of globules: glass (Fig. 1), paraffin, obtained by the method shown in Figure 2, lead, steel and alumosilicate. The degree of equality and exact proportions of globules were determined by measuring, the results of which are shown in Table 1, whereas the basic data are shown in Table 2. As mediums were used: water at temperatures of 10-90°C, aqueous glycerin solutions (20-95% glycerin), soda solution of 1.05 g/cm³ density and bromoform with a density of 2.87 g/cm². The rate of the con-

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Constricted Drop of Momodispersed Spherical Particles (Communication 2)

expansion by water at room temperature (Fig. 3); 2-expansion at high temperatures (Fig. 4); 3-processing with high water consumption; 4-processing with a limited quantity of medium (Fig. 5); 5-processing with concentrated glycerin solutions at 80-100°C (Fig. 6); suspension of particles of a lower density than the medium (Fig. 7). Fourty seven series of tests were carried out, the results of one of them (No 43) are shown in Table 3. The recording was done according to method No 1 and following symbols were used: V-volume of suspensed layer in cm3; Q-water consumption in cm3/sec; t-temperature of medium °C; C-rate of drop in the free section of column, in om/sec; Ψ -volumetric portion of solid suspension. The curve $C = f(\Psi)$ (Fig. 8) was obtained according to C and Ψ in Table 3. Basic characteristics of all 47 tests are shown in Table 4 in which following symbols were used: Re-free drop of particles; C_0 values were calculated according to Lyashchenko's method and marked by triangles; experimental C_0 values were determined graphically and the K value of Equation 1 as correlation of these two C_0 . Value nof Equation 1 was established by a slant of the straight line in the coordinates $1gC_0$ versus 1gm. In Figures 9, 10, 11 and 12 the same series of

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Constricted Drop of Monodispersed Spherical Particles (Communication 2)

tests are expressed in coordinates 1gC versus 1gm. Figure 9 shows results of tests on suspension of glass globules and Figures 10, 11 and 12 the results in regard to alumosilicate, paraffin and metal globules. Figure 13 shows the graphical processing of series No 16 tests. Figure 14 is based on n and Re values given in Table 4. According to the results obtained the following formulae can be proposed for the determination of the drop rate of constricted spheric particles: Re < 0.5 C = C_{om}^{5} (laminar zone); 0.5 < 0.5 Re < 0.5 C = 0.8 Com¹ (transition zone) and Re > 0.5 C = 0.8 Gom² < 0.5 (turbulent zone). In view of corrections caused by the influence of column diameter on some of the tests, nearly all deviations remain within $\frac{1}{2}$ 10%. L.N. Yerkova and N.J. Smirnov are mentioned in the article. There are 4 tables, 14 figures and 6 Soviet references.



Card 3/3

ZAMINYAN, AA

GASPARYAN, A.M.; ZAMINYAN, A.A.

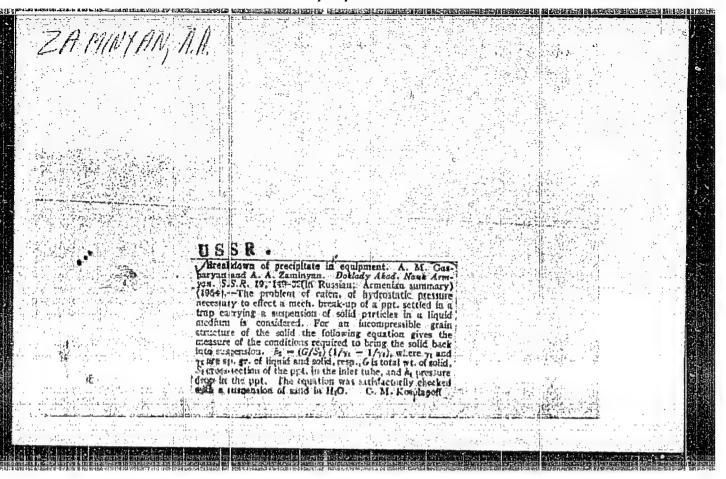
Mechanism of particle fall in a viscous medium. Dokl. AN Arm.
SSR 26 no.1:39-46 58. (MIRA 11:5)

1.Khimicheskiy institut Akademii nauk Armyansker SSR. Predstavleno N.Kh. Arutyunyanom. (Sedimentation and deposition)

ZAMINYAN, A.M.; ZAHINYAN, A.A.

Disruptive sedimentation in chesical apparatus. Dokl. AN Ars. SSR 19
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Viability of reproductive organs in corn under conditions prevailing in the Ararat Lowland, Armanian S.S.R. Izv. AN Arm. SSR. Biol. nauki 14 no. 4:57-62 Ap 161. (MIRA 14:4)

1. Biologicheskiy fakul'tet Moskovskogo gosudarstvennogo universiteta.
(ARARAT REGION—CORN BREEDING)

Morphological analysis of some corn varieties raised in the Ararat Lowland of the Armenian S.S.R. Izv. AN Arm. SSR. Biol. nauki 13 no.3:87-90 Mr '60. (MIRA 19:8)

1. Moskovskiy gosudarstvennyy universitet. (ARARAT REGION—CORN (MAIZE)—VARIETIES)

"Changes of Muscle Proteins during Denervation (read by title)."

Report presented at the 5th Int'l. Biochemistry Congress,
Moscow, 10-16 Aug 1961

OGANESYAN, S.S., starshiy nauchnyy sotrudnik; ZAMINYAN, T.S.

Amperometric titration of thiol compounds with mercury.
Vop. radiobiol. [AN Arm. SSR] 1:107-114 '60. (MIRA 15:3)

1. Iz Instituta fiziologii imeni L.A. Orbeli i Sektora radiobiologii AN Armyanskoy SSR.

(MERCAPTO COMPOUNDS—ANALYSIS)

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AUTHORS:

Oganesyan, S. S. and Zaminyan, T. S.

TITLE:

The separation of the water soluble proteins of the myocardium by paper electrophoresis

in the normal heart and after ionizing irradiation

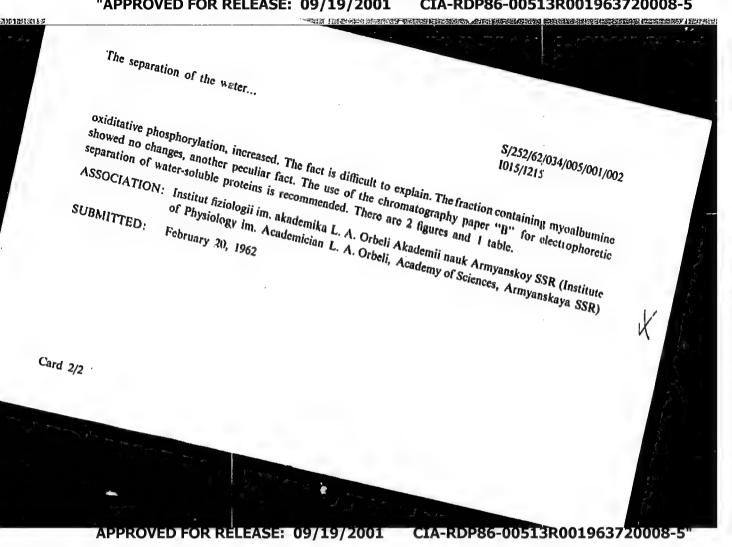
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Akademiya nauk Armyanskoy SSR. Doklady. v. 34, no. 5, 1962, 207-210

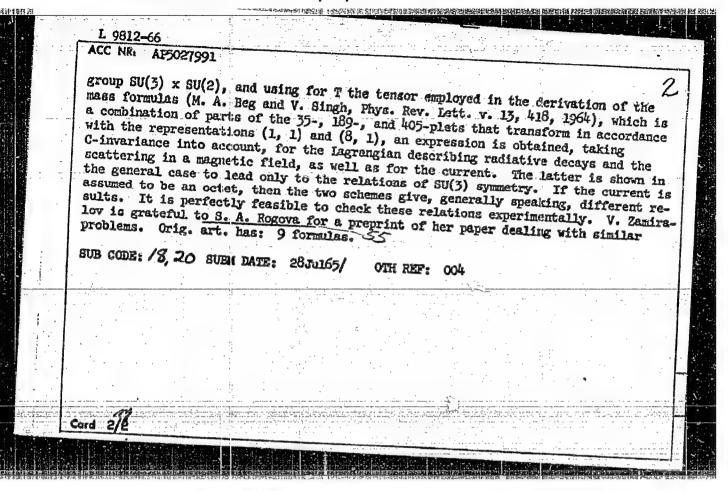
TEXT: No data are found in medical literature about the effect of ionizing radiation upon the synthesis of myocardial proteins. These experiments were performed on 20 rats (10 controls). The animals were submitted to a single whole-body irradiation with a PYM-3 (RUM-3) apparatus at a dose rate of 500 r/hour. On the 9th-10th day after irradiation the animals were killed by decapitation. The water-soluble proteins were obtained from the myocardium after perfusion of the latter with physiological solution and subsequent homogenisation, extraction (in phosphate buffer at pH 7.5) and centrifugation. Paper electrophoresis was performed on both $\Im\Phi A$ -1 (EFA-1) and MGF apparatus at a gradient of 5-12 v/cm. The paper used was the chromatography paper "B" made in the USSR. A marked shift in the various protein fractions was found in the irradiated animals. The shifts were always in the opposite direction. The fractions containing aldolase and phosphorylase decreased and the fractions n-m which contain enzymes, which also participate in the

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L 9812-66 ENT(ta)/T/ENA(m)-2 ACC NR: AP5027991 UR/0386/65/002/007/0314/0317 AUTHOR: Babayev, Z. R.; Zamiralov, ORG: Joint Institute of Muclear Research Ob"yedinennyy institut yadernykh issledovaniy TITLE: Electromagnetic properties of mesons in broken SU(6) symmetry SOURCE: Zhurnal ekaperimental noy i teoreticheskoy fiziki. Pis'ma v redaktsiyu. (Prilozheniye), v. 2, no. 7, 1965, 314-317 TOPIC TAGS: strong nuclear interaction, quantum field theory, vector meson, radiative decay, magnetic moment ABSTRACT: It is shown that the relations between the radiative-decay probabilities and the magnetic moments of vector mesons, obtained from unitary symmetry broken only by electromagnetic interaction, remain unchanged when account is taken of mediumstrong interaction that leads to observable mass splitting within unitary multiplets. Within the framework of both SU(6) and SU(3) symmetry, the electromagnetic current describing the radiative decays is a linear combination of octets and singlets, made up of the tensors of vector and pseudoscalar mesons and of a tensor that corresponds to the medium-strong interaction. In the case of SU(6) symmetry it is necessary to make up all the possible tensors $I_B^{\alpha} = I_{bB}^{\alpha A}$ of the 35-plet of mesons M and the tensor I + aT, where T corresponds to the medium-strong interaction. By separating the contributions that transform in accordance with representations (8, 3) and (1, 3) of the Card 1/2



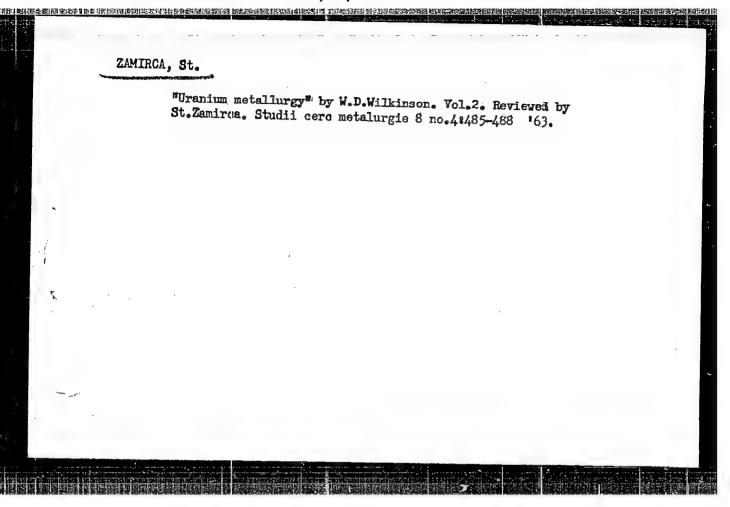
ZAMIRCA, P., ing; SCHMIDT, H., ing.; AMARASCU, Ritta, ing.

Gunited concrete, a new method of timbering and waterproofing underground constructions. Pt. 1.

Rev min 14 no.10:432-442 0'63.

ZAMIRCA, P., ing.; SCHMIDT, H., ing.; AMARASCU, Ritta, ing.

Cement gum, a new method of supporting and waterproofing underground constructions. Pt.2. Rev min 14 no.11:435-493 N'63.

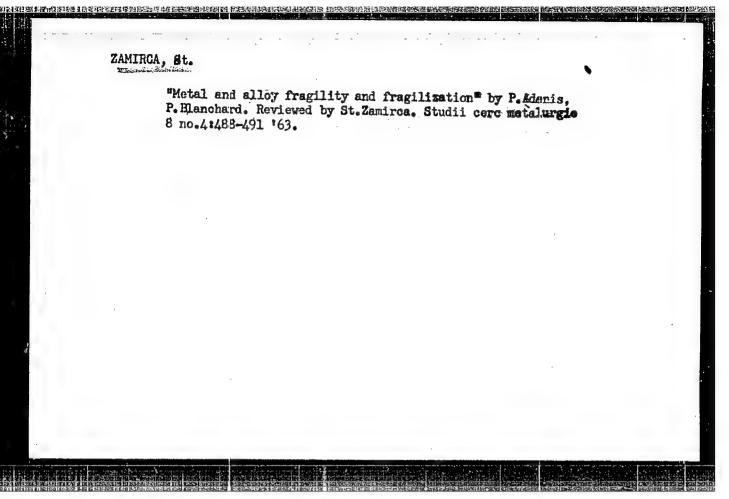


PROTOPOPESKU, M. [Protopopescu, M.]; ZEMYRKE, Sh. [Zamirca, S.];

PETRESKU, N. [Petrescu, N.]

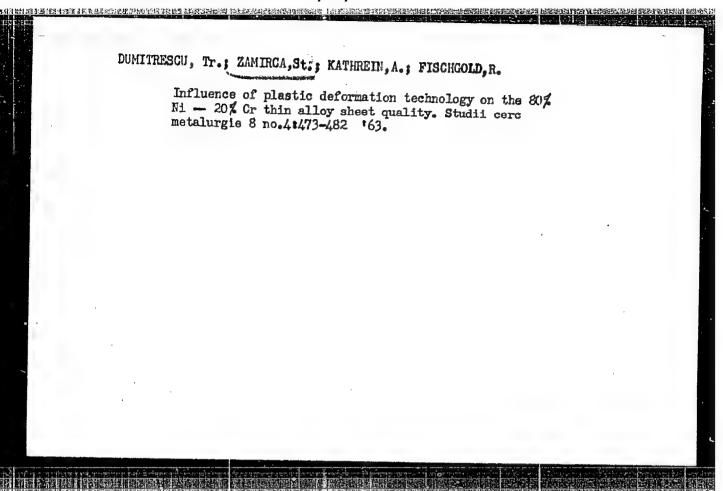
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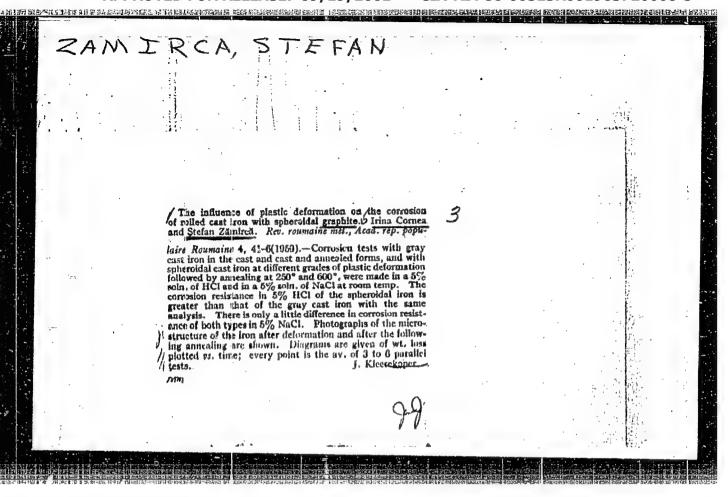
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Determination of the frigoelement characteristics in memiconductor alloys with tellurium base. Studii cerc metalurgie 8 no.3: 255-264 '63.



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Specific electric resistance of indium depending on the degree of purity. Studii cerc metalurgie 7 no.3:305-317 '62.



ZAMIECA, S: COPNEA, L

Influence of plastic deformation on the corrosion of cast iron with laminated nodular graphite: p.451

Academia Republicii Populare Romine. Centrul do Cercetari Metalurgice STUDII SI CERTARI DE METALURGIE. Bucuresti, Rumania Vol.3, no.4, 1959

Monthly list of East European Accessions (EEAI) IC, Vol.8, no.8, Aug. 1959 Uncl.

ZAMIRCA, S.; CORNEA, L

The influence of thermal treatment on the anticorresive resistance of thin plates of stainless steel 20-9 containing titanium. II. Intercrystalline corrosion. p. 295.

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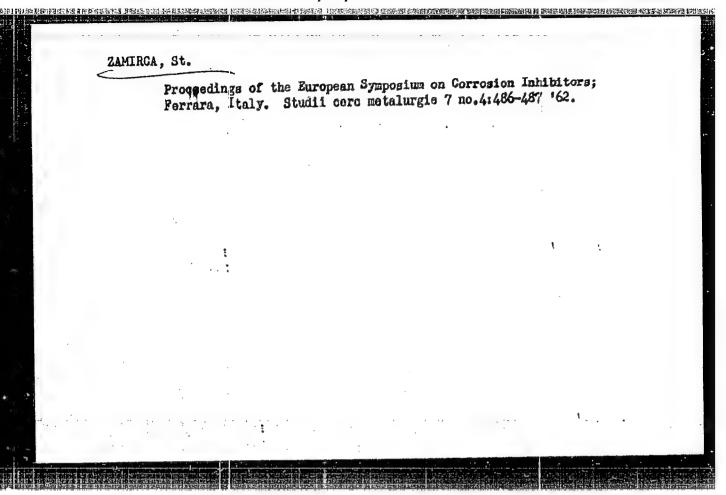
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Bucharost, Studii si Corcetari do Notalurgio, No 3, 1962, pp 305-317.

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Co-authors:
ZANTICA. St.

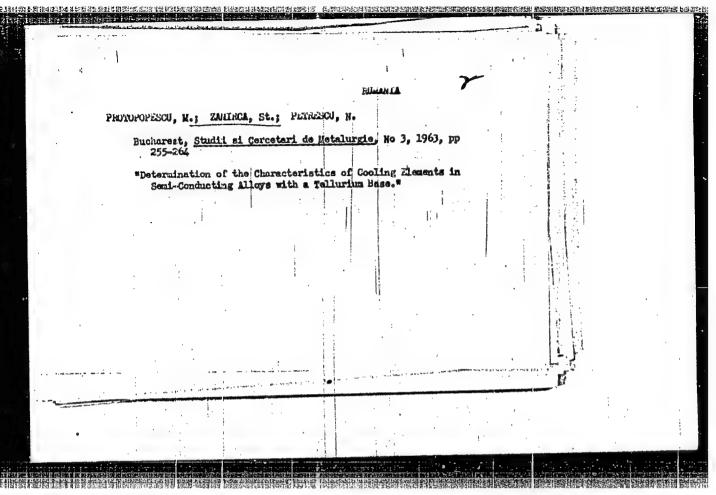
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TRIVA, v.



BUILTHISCU, Gr.; 2A. III.A., St.; KATHERINN, A.; FISCHCOLD, E.

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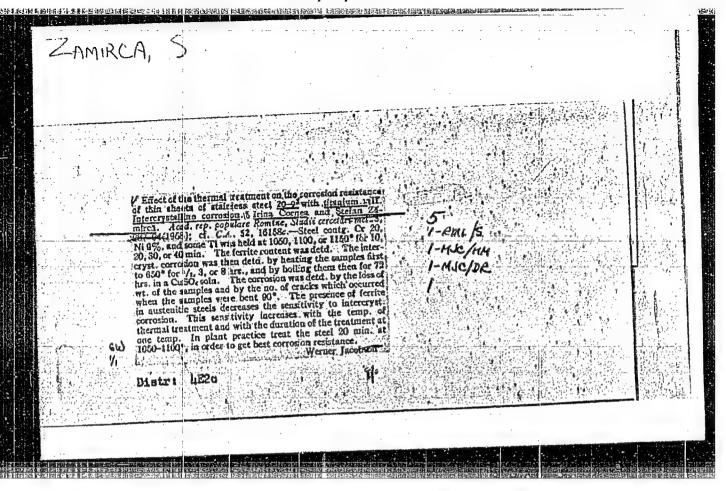
1. Centrul de cercetari metalurgice al Academiei Respublici Populare Romine.

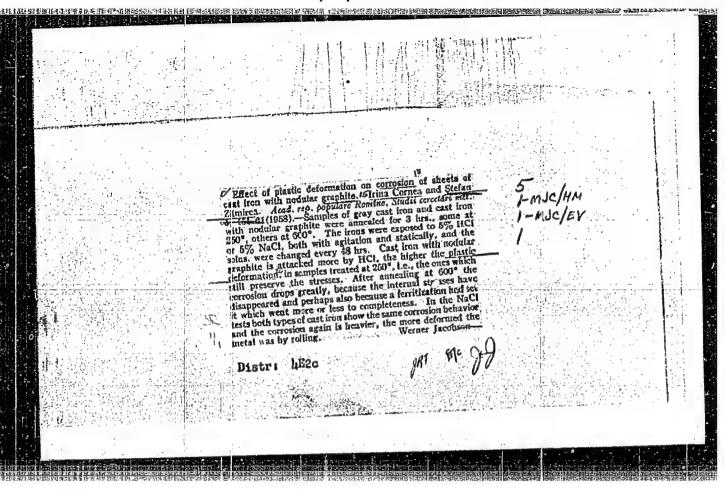
LL ROTT LIGHT LECT S (THE CERTS) LIGHT STEEL STE H-4 COUNTRY ! Rumania Chemical Technology. Chemical Products and Their CATEGORY Applications -- Corrosion. Corrosion control 78890 ABS. JOUR. : RZKhim., No. 22 1959, No. : Cornea, I. and Zamirca, S. AUTHOR : Rumanian Academy of Sciences . The Effect of Plastic Deformation on the Corrosion INST. of Cast Iron Containing Nodular Graphite TITLE ORIG. PUB.: Studii si Cercetari Metalurgie Acad RPR, 3, No 4, 451-461 (1958) : The results from comparative laboratory corrosion ABSTRACT tests on grey iron (GI) and on rolled and cast iron specimens containing nodular graphite (NG) in 5% HCl and NaCl solutions at room temperature have shown that the corrosion of NG-containing iron in HCl is greater than that of GI. All of the specimens tested exhibited fairly close values of the corrosion rate in NaCl after annealing at 250°. Of the specimens subjected to heat treatment at 600°, cast NG-containing iron has the lowest CARD: 1/2

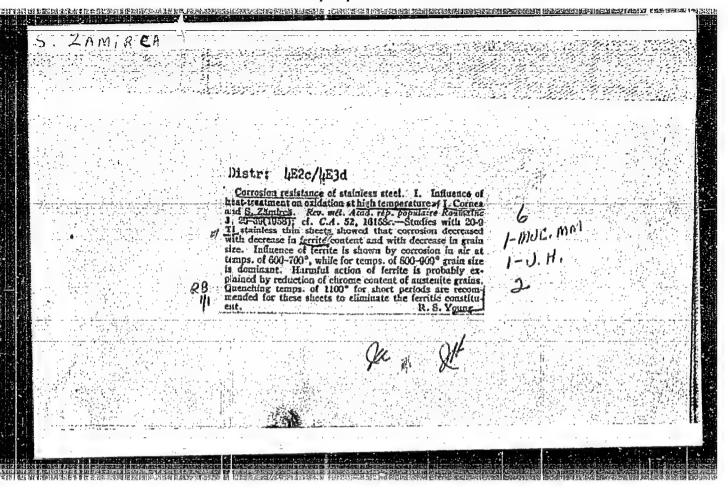
ZAMIRCA, St.; KATHREIN, A.; ILIESCU, P.; RIZESCU, C.

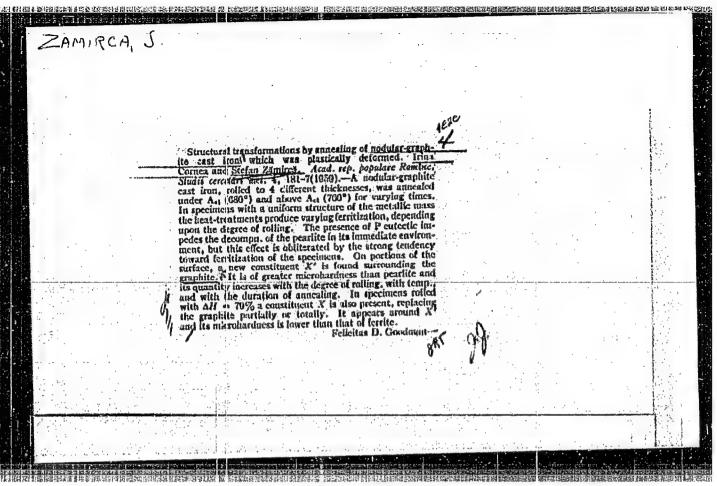
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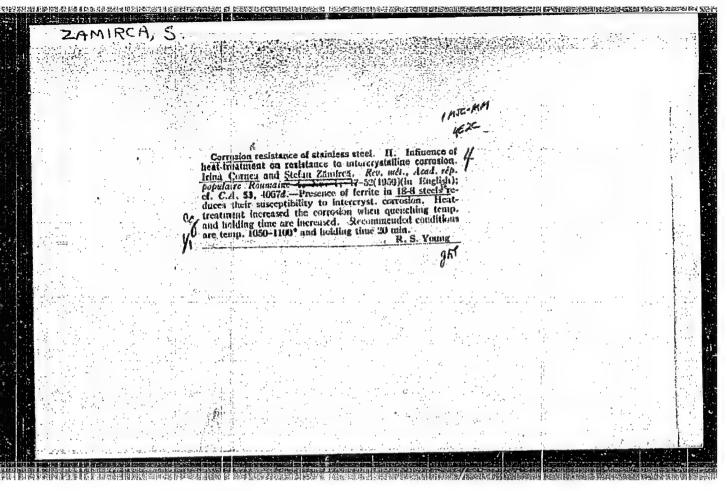
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1	AUTHOR: Potroncu, N.; Zamirca, St.; Somesan M.
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	**ABSTRACT: In order to study the thermal stability of In-1s compounds, the authors determined the kinetics of the dissociation of the compound with volatile elements.
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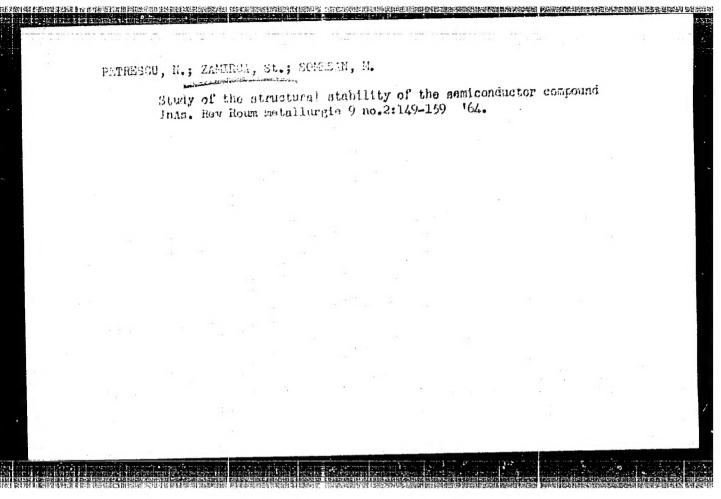






ZAMIRCA, St.; PETRESCU, N.; SOMESAN, M.; PROTOPOPESCU, M.

Some espects of obtaining the Inas semiconductor compound.
Studii cero metalurgie 9 no.2:383-388 '64.



PETRESCU, N.; ZAMIRCA, St.; SOMESAN, M.

Study of the atructural stability of the InAs semiconductor compound. Studii cerc metalurgie 9 no.2:119-128 '64.

Country : Rumania H-4 Catogory= libs. Jour. : 46131 : Cornea, I.; Zamirca, St. author Institut. : Rumanian Academy : Effect of Thermal Treatment on Corrosion Re-Title sistance of Thin Sheets of Titanium-Containing Stainless Steel 20-9. I. Atmospheric Corrosion* Orig. Pob. : Studii si cercetari metalurgie. Acad. RPR. 1958, 3, No 1, 19-31 Abstract : Study of the effect of thermal treatment on resistance to gas corrosion at elevated temperature (600, 700, 800 and 900°) of thin sheets of Ti-containing, stainless Cr-Ni-steel having the composition (in %): C 0.12, Mn 0.8, Si 1.55, Cr 20.11, Ni 9.77, Ti 0.27 (the samples were subjected to a preliminary hardening at 1050-1150° followed by cooling in water). It was found that under these conditions the rate of corrosion (RC) of the steel is affected by the ferrite content and crystal size. Decrease in the amount of ferrite lowers RC, while increased crystal dimensions increase RC. Since these two parameters depend on conditions of Card: 1/3 * at Elevated Temperature.

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